



FIG. 1

TABLE 1

GOAL	GOAL PARAMETERS
DURING "T", SATISFY "Q" FOR CLIENT "C" USING SERVICE "S"	C: Client ε {client1, client2, ...} S: Service ε {Web, DNS, Fileserver, ERP, ...} Q: QoS Expression Q.metric: QoS Metric ε {TransactionResponseTime, TransactionFailRate, ...} Q.op: Operator ε {=, \leq , \geq , ...} Q.value: Desired QoS Value ε {Float, Integer, Enumeration, ...} T: TimeRange

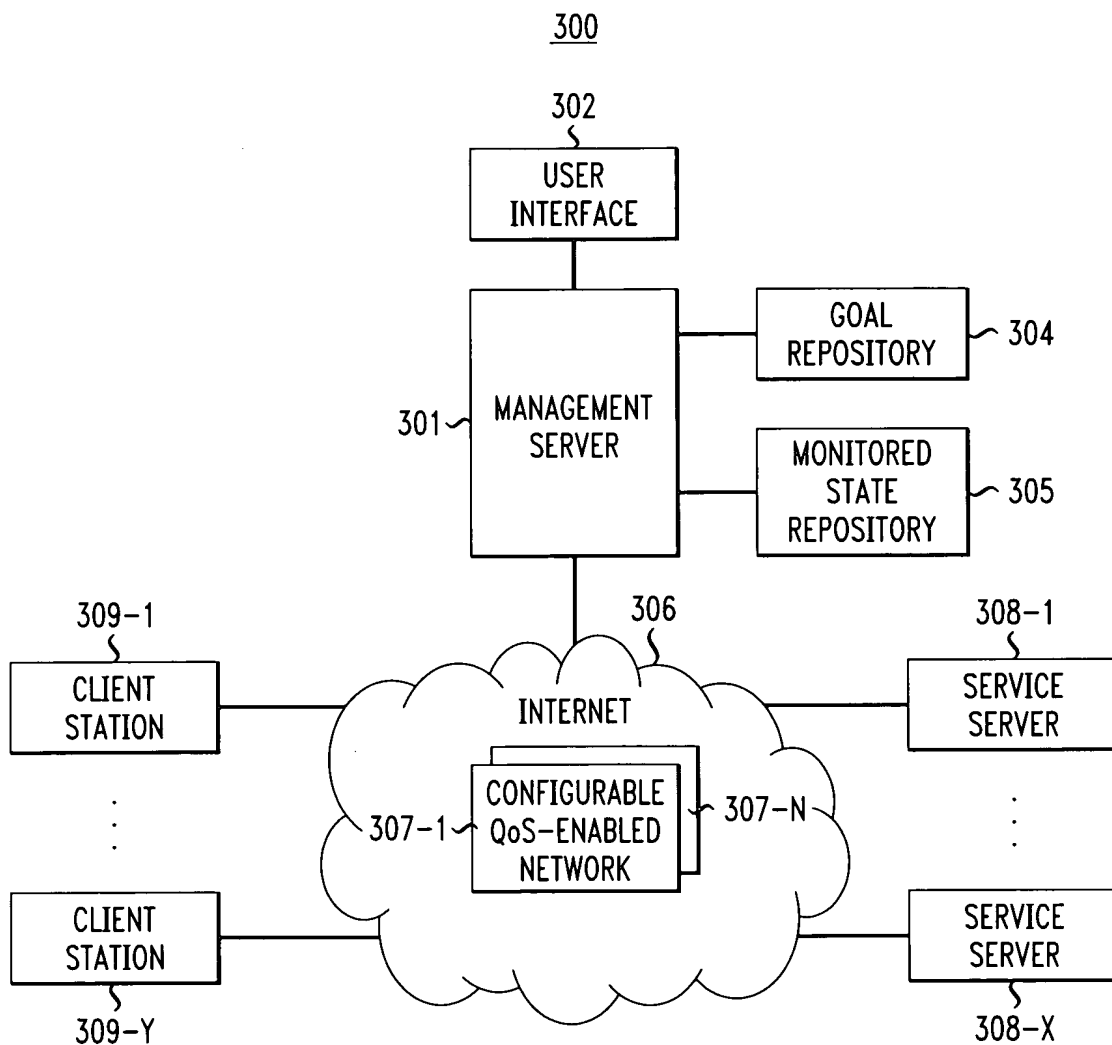
FIG. 2

TABLE 2

PROCEDURAL POLICY LOGIC
1. if (¬satisfied (getClientQoS(C, Q.metric), Q.op, Q.value)) 2. then 3. set priority[C][S] = priority[C][S]++ // Make appropriate priority addjustment, i.e. increase. 4. enforce the following "if condition then action" rule at each network element E that switches packets sent to/from C: 5. if (packet P has arrived at E) && (timeOfDay is in T) && 6. (((P.destIPport == S.serviceIPport) && (P.srcIPsubnet == C.subnetMask)) 7. ((P.srcIPport == S.serviceIPport) && (P.destIPsubnet == C.subnetMask))) 8. then 9. set P.priority = priority[C][S] 10. endif 11. Endif



FIG. 3



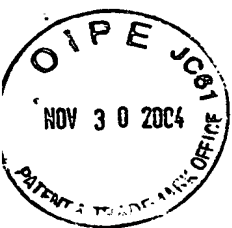


FIG. 4

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